Chatla Manikanta

Aspiring Artificial Intelligence & Machine Learning Intern

B.Tech - (2022-26)

Computer Science Engineering

Dr.M.G.R.Educational and Research Institute

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Resume Objective: Passionate AI/ML Engineer with hands-on experience in supervised/unsupervised learning, data preparation, and fine-tuning pre-trained models. Skilled in Python, Scikit-learn, and collaborative tools (GitHub, Slack). Seeking to contribute to innovative AI solutions such as chatbots and predictive systems.

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. CSE	Dr.M.G.R.Educational and Research Institute	9.2	2022-26
Senior Secondary	APBIE Board	97.8%	2020-22
Secondary	BSEAP Board	97.16%	2020

EXPERIENCE

Intern, Edunet Foundation　　　　　　　　　　　　　　　　*April 2025 - May 2025*

AICTE Internship Program – AI/ML Division
- Executed **data preparation, preprocessing, and fine-tuning** of ML models to improve predictive accuracy.
- Architected and launched **Career Sage**, an AI-driven platform delivering a personalized career guidance tool.
- Implemented supervised algorithms (**Logistic Regression**, **SVM**, **Decision Trees**, **Random Forest**) and unsupervised methods (**K-Means**, **Hierarchical Clustering**).
- Integrated **OpenAI API** and **Cohere API** to enhance NLP-based summarization and content generation.
- Deployed end-to-end ML pipelines with **Python, Scikit-learn, FastAPI**.

PROJECTS

•Health Care Premium Predictor　　　　　　　　　　　*July 2025 - August 2025*

Machine Learning　　　　　　　　　　　　　　　　　　　　　　　　Live Link
- Designed a predictive solution to personalize premium pricing based on risk profiles.
- Delivered actionable insights for insurers and customers using statistical analysis.
- Tools: **Python, Pandas, NumPy, Scikit-learn, Linear Regression, XGBoost, Streamlit**.

•Student Career Predictor　　　　　　　　　　　　　　　*April 2025 – May 2025*

Machine Learning Project　　　　　　　　　　　　　　　　　　　　GitHub
- Implemented an ML system recommending career paths from academic and interest data.
- Applied **Random Forest** and **Cohere API** for personalized recommendations.
- Tools: **Python, Pandas, Scikit-learn, Random Forest, Cohere API**.

•Chat Engine　　　　　　　　　　　　　　　　　　　*February 2025 - April 2025*

Web Development　　　　　　　　　　　　　　　　　　　　　　　　GitHub
- Built a chatbot-style search engine that retrieves and summarizes web content into concise responses.
- Tools: **HTML, CSS, Bootstrap, JavaScript, FastAPI, MySQL**.

TECHNICAL SKILLS

- **Programming**: Python, Java
- **Machine Learning**: Supervised & Unsupervised Learning, Deep Learning, Neural Networks, PyTorch, TensorFlow Fine-tuning Pre-trained Models, Classification, Regression, Clustering, Scikit-learn, XGBoost
- **Data Handling**: Data Preparation, Data Cleaning, Preprocessing, Feature Engineering, Pandas, NumPy
- **Visualization**: Matplotlib, Seaborn
- **Tools & Collaboration**: Git, GitHub, Google Colab, FastAPI, Streamlit, OpenAI API
- **Databases**: MySQL (familiar)
- **CS Fundamentals**: Data Structures and Algorithms, Statistics, Operating Systems, OOP

CERTIFICATIONS

- **Machine Learning for Data Science and AI**
  Codebasics　　　　　　　　　　　　　　　　　　　*June 2025 - August 2025*

- **AI and Machine Learning Internship**
  AICTE – Edunet Foundation　　　　　　　　　　　　　*April 2025 - May 2025*

- **Python Programming (Code In Place)**
  Stanford University　　　　　　　　　　　　　　　　*April 2025 - June 2025*